Project Name/Location: Contract No.						umber: W9127N-05-C-0012			
Columbia River Channel Improvement - RM 14+45 to 15+27									
Date: 09/07/2005									
Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)		
Load Number	DR-1	20.0	7:14:44	7360135.78	939906.36	2.5			
846	DR-2	20.0	7:16:14	7359734.77	939606.54	15.9	8.3		
Tidal Stage	DR-2R1	20.1	7:16:19	7359734.77	939606.54	12.9	8.5		
Ebb	DR-4	19.7	7:18:03	7359176.78	939495.70	3.8			
Dredge State:	DR-4R1	19.9	7:18:12	7359176.78	939495.70	3.8			
Overflow through	DR-3	19.2	7:20:14	7360696.02	939354.03	21.7			
skimmers only	DR-3R1	19.5	7:20:20	7360687.59	939354.38	14.6			
Weather:									
Partly Cloudy									
Wind:									
0-5 kts									
Seas:									
1'-2'									
Disposal location									
Columbia River RM 9									
Remarks: Action Taken:									
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was					
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was					
DR-3 exceeded 10% over background, taken out of the plume,				Re-test DR-3R1 was					
on starboard side.				The dredge moved					
				further increasing th					
			measured. The dredge coordinates were marked on the GPS screen to						
			insure no further dredging occurred at the location where the exceedence						
	was measured.								
,	All Tests Cond					Turbidity Compliance	DO Compliance		
DR-1			t, Within 600	Foot of Channel					
DR-2	100' Down Current				OR	OR, WA			
DR-3	300' Radially from point of dredge (Port or Starboard)					WA	Not Required		
DR-4	900' Down Current from point of dredging					WA	Not Required		
	I								
Rx	Indicates a Re-	Test where (x)	is the Re-Te	est number for that pa	rticular point				

Project Name/Location: Contract Nu					umber: W9127N-05-C-0012				
Columbia River Channel Improvement - RM 14+45 to 15+27									
Date: 09/07/2005									
Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)		
Load Number	DSP-1	18.1	8:22:39	7330411.87	944991.12	2.0			
846	DSP-3	19.4	8:25:37	7330529.44	944578.48	1.4			
Tidal Stage	DSP-2	19.3	8:27:07	7330419.51	944278.97	8.2	8.5		
Ebb	DSP-2R1	19.4	8:27:12	7330419.51	944278.97	7.3	8.4		
Dredge State:	DSP-4	20.3	8:28:14	7329980.72	944687.06	16.0			
Split Hull	DSP-4R1	20.5	8:28:19	7329964.64	944706.00	11.3			
Weather:									
Partly Cloudy									
Wind:									
0-5 kts									
<u>Seas:</u> 1'-2'									
Disposal location									
Columbia River RM 9									
Remarks: Action Taken:									
DSP-2 exceeded 10% c				Re-test DSP-2R1 w					
DSP-4 exceeded 10% c			olume.	Re-test DSP-4R1 w	as taken.				
DSP-3 taken out of the plume, on port side									
DSP-3 taken out of orde		oletion of test	prior to	The dredge moved					
					further increasing the turbidity at the location where the exceedence was				
				measured. The dredge coordinates were marked on the GPS screen to					
	insure no further dredging occurred a			the location where t	the exceedence				
	was measured.								
	All Tests Cond					Turbidity Compliance	DO Compliance		
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel								
DSP-2	100' Down Current				OR	OR, WA			
DSP-3	150' Radially from point of dredge (Port or Starboard)					WA	Not Required		
DSP-4	900' Down Current from point of dredging					WA	Not Required		
Rx Indicates a Re-Test where (x) is the Re-Test number for that particular point									
Rx	Indicates a Re-	lest where (x)	is the Re-Te	st number for that pa	rticular point				

Project Name/Location: Contract Nu					umber: W9127N-05-C-0012				
Columbia River Channel Improvement - RM 14+45 to 15+27									
Date: 09/07/2005									
Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)		
Load Number	DR-1	19.9	10:17:07	7361114.92	939780.89	3.9			
847	DR-2	19.6	10:18:19	7360819.70	939793.04	23.2	8.3		
Tidal Stage	DR-2R1	19.7	10:18:24	7360806.80	939787.49	25.0	8.2		
Ebb	DR-4	20.1	10:20:08	7360259.73	939633.58	9.8			
Dredge State:	DR-4R1	19.9	10:20:17	7360234.17	939628.55	5.5			
Overflow through	DR-3	20.2	10:23:59	7361518.23	940445.66	16.1			
skimmers only	DR-3R1	20.2	10:24:04	7361514.01	940445.83	12.1			
Weather:									
Clear									
Wind:									
0-5 kts									
Seas:									
0'-1'									
Disposal location									
Columbia River DWS									
Remarks: Action Taken:									
DR-2 exceeded 10% over background, taken in the plume. Re-test DR-2R1 was taken.					s taken.				
DR-4 exceeded 10% ov	er background, t	aken in the pl	ume.	Re-test DR-4R1 was	s taken.				
DR-3 exceeded 10% ov	aken out of th	e plume,	Re-test DR-3R1 was	s taken.					
on port side.  The dredge moved away from the are						a while continuing d	redging to avoid		
further increasing the turbidity at the						cation where the ex	ceedence was		
measured. The dredge coordinate					dge coordinates w	ere marked on the (	GPS screen to		
insure no			insure no further dre	nsure no further dredging occurred at the location where the exceedence					
	was measured.								
	All Tests Cond					Turbidity Compliance	DO Compliance		
DR-1	Background - 100' Up Current, Within 600-Foot of Channel								
DR-2	100' Down Current				OR	OR, WA			
DR-3	300' Radially from point of dredge (Port or Starboard)				WA	Not Required			
DR-4	900' Down Current from point of dredging				WA	Not Required			
Rx	Indicates a Re-	Test where (x)	is the Re-Te	st number for that pa	rticular point				

Date: 09/07/2005   Sample Point   Depth (ft)   Time   X Coordinate   Y Coordinate   Turbidity (NTU)   DO (Mg/L)	Project Name/Location: Contract Nu						umber: W9127N-05-	·C-0012		
Date: 09/07/2005   Sample Point   Depth (ft)   Time   X Coordinate   Y Coordinate   Turbidity (NTU)   DO (Mg/L)	Columbia River Channel Improvement - RM 14+45 to 15+27									
Dredging   Load Number   R48										
DR-1			Donath (ft)	Time	V Coordinate	V Coordinate	Turkidity (AITH)	DO (Ma/L)		
Name			,				, ,	DO (WIG/L)		
DR-2R1								0.4		
DR-4										
Dr-dge State: Overflow through skimmers only Weather: Clear Wind: 0-5 kts Seas: 1'-2' Disposal location Columbia River DWS  Remarks: DR-2 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  Retest DR-2R1 was taken. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  Retest DR-3R1 was taken. DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current DR-3 and DR-4 and								8.4		
Overflow through skimmers only Weather: Clear Wind: 0-5 kts Seas: 1'-2' Disposal location Columbia River DWS  Remarks:  DR-2 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume. DR-4 exceeded 10% over background, taken out of the plume. On starboard side.  Re-test DR-3R1 was taken. DR-3 exceeded 10% over background, taken out of the plume. DR-4 exceeded 10% over background, taken out of the plume. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  Sample Point Key All Tests Conducted With YSI 6600  DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current DR-3 300' Radially from point of dredge (Port or Starboard)  WA Not Require										
skimmers only Weather: Clear Wind: 0-5 kts Seas: 1'-2' Disposal location Columbia River DWS  Remarks: DR-2 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken in the plume. DR-4 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  Sample Point Key All Tests Conducted With YSI 6600  BR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 DR-3 DR-3 DR-3 DR-3 DR-3 DR-3 DR-3 DR-3										
Weather: Clear Wind: 0-5 kts Seas: 1'-2' Disposal location Columbia River DWS  Remarks: DR-2 exceeded 10% over background, taken in the plume. Re-test DR-2R1 was taken. DR-4 exceeded 10% over background, taken in the plume. Re-test DR-3R1 was taken. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  The dredge moved away from the area while continuing dredging to avigurate insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key All Tests Conducted With YSI 6600  DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current  DR-3 300' Radially from point of dredge (Port or Starboard)  WA Not Require		_								
Clear Wind: 0-5 kts Seas: 1'-2' Disposal location Columbia River DWS  Remarks: DR-2 exceeded 10% over background, taken in the plume. Re-test DR-2R1 was taken. DR-4 exceeded 10% over background, taken in the plume. Re-test DR-3R1 was taken. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  Re-test DR-3R1 was taken. The dredge moved away from the area while continuing dredging to average and the foliation where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key All Tests Conducted With YSI 6600  DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current OR OR, WA DR-3 300' Radially from point of dredge (Port or Starboard)  WA Not Require		DR-3R1	19.0	15:49:56	7361465.99	940818.90	12.1			
Wind: 0-5 kts Seas: 1'-2' Disposal location Columbia River DWS  Remarks:  DR-2 exceeded 10% over background, taken in the plume. DR-4 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  Re-test DR-2R1 was taken.  Re-test DR-3R1 was taken.  Re-test DR-3R1 was taken.  The dredge moved away from the area while continuing dredging to average further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key  Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current OR OR, WA Not Require										
O-5 kts Seas: 1'-2' Disposal location Columbia River DWS  Remarks:  DR-2 exceeded 10% over background, taken in the plume. DR-4 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  Re-test DR-2R1 was taken.  Re-test DR-3R1 was taken.  The dredge moved away from the area while continuing dredging to average further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key All Tests Conducted With YSI 6600  DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current OR OR, WA Not Require										
Seas: 1'-2' Disposal location Columbia River DWS  Remarks:  DR-2 exceeded 10% over background, taken in the plume. DR-4 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume, On starboard side.  Re-test DR-2R1 was taken.  Re-test DR-3R1 was taken.  Re-test DR-3R1 was taken.  The dredge moved away from the area while continuing dredging to availy further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key All Tests Conducted With YSI 6600  DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current  OR OR, WA Not Require										
Disposal location Columbia River DWS  Remarks:  DR-2 exceeded 10% over background, taken in the plume. DR-4 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  Re-test DR-2R1 was taken.  Re-test DR-3R1 was taken.  Re-test DR-3R1 was taken.  The dredge moved away from the area while continuing dredging to averturther increasing the turbidity at the location where the exceedence was measured.  The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key  All Tests Conducted With YSI 6600  DR-1  Background - 100' Up Current, Within 600-Foot of Channel  DR-2  100' Down Current  OR  OR, WA  Not Require										
Disposal location Columbia River DWS  Remarks: DR-2 exceeded 10% over background, taken in the plume. DR-4 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume, On starboard side.  The dredge moved away from the area while continuing dredging to avert further increasing the turbidity at the location where the exceedence was measured.  The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key All Tests Conducted With YSI 6600  DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current DR-3 300' Radially from point of dredge (Port or Starboard)  WA Not Require										
Columbia River DWS  Remarks: DR-2 exceeded 10% over background, taken in the plume. DR-4 exceeded 10% over background, taken in the plume. DR-3 exceeded 10% over background, taken out of the plume, On starboard side.  The dredge moved away from the area while continuing dredging to average further increasing the turbidity at the location where the exceedence was measured. The dredging occurred at the location where the exceedence was measured.  Sample Point Key  All Tests Conducted With YSI 6600  DR-1  Background - 100' Up Current, Within 600-Foot of Channel DR-2  100' Down Current  DR-3  300' Radially from point of dredge (Port or Starboard)  Action Taken:  Re-test DR-2R1 was taken.  Re-test DR-3R1 was taken.  The dredge moved away from the area while continuing dredging to average further increasing the turbidity at the location where the exceedence was measured.  Turbidity Compliance DO Compliance OR, WA Not Require										
Remarks:  DR-2 exceeded 10% over background, taken in the plume.  DR-4 exceeded 10% over background, taken in the plume.  DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  The dredge moved away from the area while continuing dredging to available further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key All Tests Conducted With YSI 6600  DR-1 Background - 100' Up Current, Within 600-Foot of Channel  DR-2 100' Down Current  DR-3 300' Radially from point of dredge (Port or Starboard)  Action Taken:  Re-test DR-2R1 was taken.  Re-test DR-2R1 was taken.  The dredge moved away from the area while continuing dredging to available for the exceedence was measured.  The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Turbidity Compliance DO Compliance  DO Compliance  DR OR, WA  Not Require										
DR-2 exceeded 10% over background, taken in the plume.  DR-4 exceeded 10% over background, taken in the plume.  DR-3 exceeded 10% over background, taken out of the plume, On starboard side.  The dredge moved away from the area while continuing dredging to average further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key   All Tests Conducted With YSI 6600   Turbidity Compliance   DO Compliance   DR-1   Background - 100' Up Current, Within 600-Foot of Channel   DR-2   100' Down Current   OR   OR, WA   DR-3   300' Radially from point of dredge (Port or Starboard)   WA   Not Required   Not Requi										
DR-4 exceeded 10% over background, taken in the plume.  DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  The dredge moved away from the area while continuing dredging to average further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key All Tests Conducted With YSI 6600 Turbidity Compliance DR-1 Background - 100' Up Current, Within 600-Foot of Channel  DR-2 100' Down Current  DR-3 300' Radially from point of dredge (Port or Starboard)  Not Require										
DR-3 exceeded 10% over background, taken out of the plume, on starboard side.  The dredge moved away from the area while continuing dredging to average further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.  Sample Point Key All Tests Conducted With YSI 6600  DR-1 Background - 100' Up Current, Within 600-Foot of Channel  DR-2 100' Down Current  DR-3 300' Radially from point of dredge (Port or Starboard)  Re-test DR-3R1 was taken.  The dredge moved away from the area while continuing dredging to average further increasing the turbidity at the location where the exceedence was measured.  Turbidity Compliance DO Compliance  OR, WA Not Require										
on starboard side.  The dredge moved away from the area while continuing dredging to available further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedent was measured.  Sample Point Key   All Tests Conducted With YSI 6600   Turbidity Compliance   DO Compliance   DR-1   Background - 100' Up Current, Within 600-Foot of Channel   OR   OR, WA   DR-3   300' Radially from point of dredge (Port or Starboard)   WA   Not Required   Not Require	¥ .									
further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceeden was measured.  Sample Point Key All Tests Conducted With YSI 6600 Turbidity Compliance DR-1 Background - 100' Up Current, Within 600-Foot of Channel  DR-2 100' Down Current  DR-3 300' Radially from point of dredge (Port or Starboard)  WA Not Require		e plume,			a while continuing d	rodaina to avoid				
measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceeden was measured.  Sample Point Key All Tests Conducted With YSI 6600 Turbidity Compliance DO Compliance DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current OR OR, WA DR-3 300' Radially from point of dredge (Port or Starboard) WA Not Require	on starboard side.									
insure no further dredging occurred at the location where the exceedent was measured.    Sample Point Key   All Tests Conducted With YSI 6600   Turbidity Compliance   DO Compliance					•	, ,				
was measured.  Sample Point Key All Tests Conducted With YSI 6600 Turbidity Compliance DO Compliance  DR-1 Background - 100' Up Current, Within 600-Foot of Channel  DR-2 100' Down Current  DR-3 300' Radially from point of dredge (Port or Starboard)  WA Not Require										
Sample Point KeyAll Tests Conducted With YSI 6600Turbidity ComplianceDO ComplianceDR-1Background - 100' Up Current, Within 600-Foot of ChannelOROR, WADR-2100' Down CurrentOROR, WADR-3300' Radially from point of dredge (Port or Starboard)WANot Require						edging occurred at	the location where i	ne exceedence		
DR-1 Background - 100' Up Current, Within 600-Foot of Channel DR-2 100' Down Current DR-3 300' Radially from point of dredge (Port or Starboard)  OR OR, WA Not Require	Sample Point Key	All Tasts Cond	ucted With V	'SI 6600	was measureu.		Turbidity Compliance	DO Compliance		
DR-2 100' Down Current OR, WA DR-3 300' Radially from point of dredge (Port or Starboard) WA Not Require					Foot of Channel		randially compliance	DO Compliance		
DR-3 300' Radially from point of dredge (Port or Starboard) WA Not Require							OR	OR WA		
								•		
That require										
	27. 4 Jood Down Current from Point of dreaging					V V / \	Hot Required			
Rx Indicates a Re-Test where (x) is the Re-Test number for that particular point	Rx	Rx Indicates a Re-Test where (x) is the Re-Test number for that particular point								